AVTECH

• AVD744D:
4 Channel H.264 IVS 1TB HDD DVR

AV Tech's 'IVS' (Intelligent Video Surveillance) Series are the world's first DVRs to fully integrate PC, mobile phone/PDA and CCTV technology.

These intelligent DVRs realise active call-out notifications to smart phones for instant remote surveillance, supporting all popular smart phone platforms such as iPhone, BlackBerry, Nokia Symbian, Android and Windows Mobile.

An incredibly high specification DVR at a surprisingly low cost!

Features:

- **Remote Surveillance**
  - Mobile surveillance via our self-developed, free software application 'Eagle Eyes' is supported on all popular mobile platforms such as iPhone, BlackBerry, Nokia Symbian, Android and Windows Mobile.
  - Network/remote surveillance via the licensed software 'Video Viewer', Internet Explorer, Mozilla Firefox or Google Chrome web browsers; QuickTime player supported for up to 10 user logins simultaneously.

- **iPhone Push Notification**
  - Supports pending Push Notification to iPhones for instant event notification of human detection

- **Intelligent Surveillance**
  - Virtual Fence; an intruder virtual detection line can be set to detect intruders crossing a specified line
  - Flow Counting; a virtual detection line can be set to detect the direction of pedestrians for flow counting
  - Individual Channel Motion Recording; only channels detecting activity will record, effectively saving significant amounts of hard disk space and ensuring maximum recording time.
  - Supports pre-alarm recording

- **USB Mouse Control with GUI OSD**

- **DVR~Camera Communication System (DCCS)**
  - For PTZ and zoom lens controllable cameras, both video signal and control signal are transmitted down one coaxial cable, removing the need for an additional RS485 control cable
  - Camera installation is significantly simplified, reducing labour costs and working hours

- **Remote Independent Operation**
  - Allowing remote users to view/monitor live/playback images independently and privately from the local site view

- **H.264 Video Compression Technology**
  - Significantly improved image quality for live, recorded and network video broadcast
  - Recording file size is minimized for maximum recording times and reduced hard disk space use
  - Lower bit rate for faster image transfer over network

- **Multiplex**
  - Allows live display, record, playback, backup and network operation at the same time

- **Backup Function**
  - Supports DVD writer, USB flash drive and network backup

- **Audio / Video Support**
  - 4 audio In, 1 Audio out
  - Built-in VGA interface

Specifications:

Model:	AVD744D
Video System	NTSC, PAL (auto detection)
Video Compression Format	H.264
Video Input	8 Channels (Composite Video Signal 1 Vp-p 750 BNC)
Video Output (BNC)	Main Monitor: For stable display Call Monitor: For sequence display
Video Output (VGA)	Built-in VGA output for LCD monitor
Audio Input / Output	4 audio inputs, 1 audio output (Mono)
Multiplex Operating	Supports live display, recording, playback, backup, and network simultaneously
Maximum Recording Rate	**Frame:** 704 × 480 pixels with 30IPS <NTSC>, 704 × 576 pixels with 25IPS <PAL>, **Field:** 704 x 240 pixels with 60IPS <NTSC>, 4 × 288 pixels with 50IPS <PAL>, **CIF:** 352 × 240 pixels with 120IPS <NTSC>, 352 × 288 pixels with 100IPS <PAL>
DCCS Support	Yes (All channels)
IVS Support	Yes (4 channels)
Recording Mode	Manual, Timer, Motion, Alarm, Remote
Recording Quality Options	Best, High, Normal and Basic
Pre-alarm Recording	Yes (8MB)
HDD Type	SATA
HDD Storage	With DVD Writer Model: Accommodates 1 SATA HDD (1HDD capacity up to 2TB)
Quick Search	Time, Motion, Alarm search mode
Backup Device	DVD writer (optional), USB flash drive, network
Compression Format	H.264
Network Live Audio	Yes
Ethernet	10, 100 Base-T
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS (Dynamic IP)
Network Surveillance Interface	Licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, QuickTime player Network Surveillance Interface (10 users access simultaneously)
Remote Independent Operation	Yes
Event Notification	By FTP, e-mail
R.E.T.R. (Remote Event Trigger Recording)	Yes
IR Remote Control	Yes
Mobile Surveillance	Yes
Motion Detection Area	16 × 12 grids per channel
Motion Detection Sensitivity	4 adjustable parameters for accurate detection
PTZ Control	Yes
External Alarm	4 inputs, 1 output
Picture Zoom	2 x digital zoom
User Level	Administrator & Operator
Video Loss Detection	Yes
Camera Title	Supports up to 6 letters
Video Adjustable	Hue, Color, Contrast, Brightness
Power Source (±10%)	19v DC
Power Consumption (±10%)	<42W
Operating Temperature	10 ~ 40°C (50 ~ 104°F)
System Recovery	System auto recovery after power failure
Dimensions	375(W) × 61(H) × 281(D) mm

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AVD746D:
8 Channel H.264 IVS,1TB HDD DVR

AV Tech's 'IVS' (Intelligent Video Surveillance) Series are the world's first DVRs to fully integrate PC, mobile phone/PDA and CCTV technology.

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An incredibly high specification DVR at a surprisingly low cost!

Features:

- **Remote Surveillance**
  - Mobile surveillance via our self-developed, free software application 'Eagle Eyes' is supported on all popular mobile platforms such as iPhone, BlackBerry, Nokia Symbian, Android and Windows Mobile.
  - Network/remote surveillance via the licensed software 'Video Viewer', Internet Explorer, Mozilla Firefox or Google Chrome web browsers; QuickTime player supported for up to 10 user logins simultaneously.

- **iPhone Push Notification**
  - Supports pending Push Notification to iPhones for instant event notification of human detection

- **Intelligent Surveillance**
  - Virtual Fence; an intruder virtual detection line can be set to detect intruders crossing a specified line
  - Flow Counting; a virtual detection line can be set to detect the direction of pedestrians for flow counting
  - Individual Channel Motion Recording; only channels detecting activity will record, effectively saving significant amounts of hard disk space and ensuring maximum recording time.
  - Supports pre-alarm recording

- **USB Mouse Control with GUI OSD**

- **DVR~Camera Communication System (DCCS)**
  - For PTZ and zoom lens controllable cameras, both video signal and control signal are transmitted down one coaxial cable, removing the need for an additional RS485 control cable
  - Camera installation is significantly simplified, reducing labour costs and working hours

- **Remote Independent Operation**
  - Allowing remote users to view/monitor live/playback images independently and privately from the local site view

- **H.264 Video Compression Technology**
  - Significantly improved image quality for live, recorded and network video broadcast
  - Recording file size is minimized for maximum recording times and reduced hard disk space use
  - Lower bit rate for faster image transfer over network

- **Multiplex**
  - Allows live display, record, playback, backup and network operation at the same time

- **Backup Function**
  - Supports DVD writer, USB flash drive and network backup

- **Audio / Video Support**
  - 4 audio In, 2 Audio out
  - Built-in VGA interface

Specifications:

Model:	AVD746D
Video System	NTSC, PAL (auto detection)
Video Compression Format	H.264
Video Input	8 Channels (Composite video signal 1 Vp-p 750 BNC)
Video Loop Input	8 Channels (Composite video signal 1 Vp-p 750 BNC)
Video Output (BNC)	Main Monitor: For stable display, Call Monitor: For sequence display
Video Output (VGA)	Built-in VGA output for LCD monitor
Audio Input / Output	4 audio inputs, 2 audio output (Mono)
Multiplex Operating simultaneously	Supports live display, recording, playback, backup, and network
Maximum Recording Rate	**Frame:** 704 × 480 pixels with 60IPS <NTSC>, 704 × 576 pixels with 50IPS <PAL>, **Field:** 704x240 pixels with 120IPS <NTSC>, 704 × 288 pixels with 100IPS <PAL>, **CIF:** 352 × 240 pixels with 240IPS <NTSC>, 352 × 288 pixels with 200IPS <PAL>
DCCS Support	Yes (All channels)
IVS Support	Yes (4 channels)
Recording Mode	Manual, Timer, Motion, Alarm, Remote
Recording Quality Options	Best, High, Normal and Basic
Pre-alarm Recording	Yes (8MB)
HDD Type	SATA
HDD Storage	With DVD Writer Model: Accommodates 2 SATA HDDs (1HDD capacity up to 2TB)
Quick Search	Time, Motion, Alarm search mode
Backup Device	DVD writer (optional), USB flash drive, network
Compression Format	H.264
Network Live Audio	Yes
Ethernet	10, 100 Base-T
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS (Dynamic IP)
Network Surveillance Interface	Licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, QuickTime player Network Surveillance Interface (10 users access simultaneously)
Remote Independent Operation	Yes
Event Notification	By FTP, e-mail
R.E.T.R. (Remote Event Trigger Recording)	Yes
IR Remote Control	Yes
Mobile Surveillance	Yes
Motion Detection Area	16 × 12 grids per channel
Motion Detection Sensitivity	4 adjustable parameters for accurate detection
PTZ Control	Yes
External Alarm	8 inputs, 1 output
Picture Zoom	2 x digital zoom
User Level	Administrator & Operator
Video Loss Detection	Yes
Camera Title	Supports up to 6 letters
Video Adjustable	Hue, Color, Contrast, Brightness
Power Source (±10%)	19v DC
Power Consumption (±10%)	<64W
Operating Temperature	10 ~ 40°C (50 ~ 104°F)
System Recovery	System auto recovery after power failure
Dimensions	432(W) × 90(H) × 326(D) mm

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AVD748D:
16 Channel H.264 IVS, 1TB HDD DVR

AV Tech's 'IVS' (Intelligent Video Surveillance) Series are the world's first DVRs to fully integrate PC, mobile phone/PDA and CCTV technology.

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  - Network/remote surveillance via the licensed software 'Video Viewer', Internet Explorer, Mozilla Firefox or Google Chrome web browsers; QuickTime player supported for up to 10 user logins simultaneously.

- **iPhone Push Notification**
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- **Intelligent Surveillance**
  - Virtual Fence; an intruder virtual detection line can be set to detect intruders crossing a specified line
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  - Individual Channel Motion Recording; only channels detecting activity will record, effectively saving significant amounts of hard disk space and ensuring maximum recording time.
  - Supports pre-alarm recording

- **USB Mouse Control with GUI OSD**

- **DVR~Camera Communication System (DCCS)**
  - For PTZ and zoom lens controllable cameras, both video signal and control signal are transmitted down one coaxial cable, removing the need for an additional RS485 control cable
  - Camera installation is significantly simplified, reducing labour costs and working hours

- **Remote Independent Operation**
  - Allowing remote users to view/monitor live/playback images independently and privately from the local site view

- **H.264 Video Compression Technology**
  - Significantly improved image quality for live, recorded and network video broadcast
  - Recording file size is minimized for maximum recording times and reduced hard disk space use
  - Lower bit rate for faster image transfer over network

- **Multiplex**
  - Allows live display, record, playback, backup and network operation at the same time

- **Backup Function**
  - Supports DVD writer, USB flash drive and network backup

- **Audio / Video Support**
  - 4 audio In, 2 Audio out
  - Built-in VGA interface

Specifications:

Model:	AVD748D
Video System	NTSC, PAL (auto detection)
Video Compression Format	H.264
Video Input	16 Channels (Composite video signal 1 Vp-p 750 BNC)
Video Loop Input	16 Channels (Composite video signal 1 Vp-p 750 BNC)
Video Output (BNC)	Main Monitor: For stable display, Call Monitor: For sequence display
Video Output (VGA)	Built-in VGA output for LCD monitor
Audio Input / Output	4 audio inputs, 2 audio output (Mono)
Multiplex Operating	Supports live display, recording, playback, backup, and network simultaneously
Maximum Recording Rate	**Frame:** 704 × 480 pixels with 120IPS <NTSC>, 704 × 576 pixels with 100IPS <PAL>, **Field:** 704 x 240 pixels with 240IPS <NTSC>, 704 × 288 pixels with 200IPS <PAL>, **CIF:** 352 × 240 pixels with 480IPS <NTSC>, 352 × 288 pixels with 400IPS <PAL>
DCCS Support	Yes (All channels)
IVS Support	Yes (4 channels)
Recording Mode	Manual, Timer, Motion, Alarm, Remote
Recording Quality Options	Best, High, Normal and Basic
Pre-alarm Recording	Yes (8MB)
HDD Type	SATA
HDD Storage	With DVD Writer Model: Accommodates 1 SATA HDD (1 HDD capacity up to 2TB)
Quick Search	Time, Motion, Alarm search mode
Backup Device	DVD writer (optional), USB flash drive, network
Compression Format	H.264
Network Live Audio	Yes
Ethernet	10, 100 Base-T
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS (Dynamic IP)
Network Surveillance Interface	Licensed software "Video Viewer", Internet Explorer, Mozilla Firefox or Google Chrome web browser, QuickTime player Network Surveillance Interface (10 users access simultaneously)
Remote Independent Operation	Yes
Event Notification	By FTP / E-Mail
R.E.T.R. (Remote Event Trigger Recording)	Yes
IR Remote Control	Yes
Mobile Surveillance	Yes
Motion Detection Area	16 × 12 grids per channel
Motion Detection Sensitivity	4 adjustable parameters for accurate detection
PTZ Control	Yes
External Alarm	16 inputs, 1 output
Picture Zoom	2 x digital zoom
User Level	Administrator & Operator
Video Loss Detection	Yes
Camera Title	Supports up to 6 letters
Video Adjustable	Hue / Color / Contrast / Brightness
Power Source (±10%)	19v DC
Power Consumption (±10%)	<64W
Operating Temperature	10 ~ 40°C (50 ~ 104°F)
System Recovery	System auto recovery after power failure
Dimensions	432(W) × 90(H) × 326(D) mm

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EverFocus

• ECOR 264x1-4: 4-channel Pentaplex H.264 DVR

The new compact Everfocus ECOR264 DVR series offers H.264 compression for efficient disk storage and network bandwidth conversion.

Ideal for small to medium instalation applications the ECOR range include high specification features normally found on more expensive recorders including mobile viewing allowing you to check your home and business while on the go.

All ECOR DVRs are equipped with a simple graphical user interface for quick and easy configuration.

Delivery includes IR remote control... and mouse

Features:

- User-friendly graphic user interface (GUI) with easy mouse or front panel operation
- Multi-language menu operation
- Express setup for quick installation in standard applications
- Audio recording capability*
- Latest H.264 compression technology
- Real time recording and playback rate for all cameras
- Individual recording settings for each channel
- Pentaplex operation for simultaneous recording, playback, archiving, live view and network access
- Snapshot search function
- Data archiving via USB 2.0 port or built in DVD-RW drive*
- Programmable motion detection area (22 x 18) for each channel
- Local (through USB mouse) and network PTZ control
- Fast network video transmission with dual stream for mobile phone streaming (3GPP)
- Network operation independent from local operation
- Event notification incl. e-mail alarm and network alarm with optional PowerCon 4.x software
- Watchdog function with notification options
- Optional RS-485 remote control (EKB 500)
- Free EverFocus DDNS service: DDNS account registration directly from DVR setup

  * feature, function depending on DVR model

Specifications:

Model:	ECOR 264 x 1–4
Video format	PAL, CCIR
Display format main monitor	1, 4 x multiscreen, PiP
Display format call monitor	1, 4 x multiscreen, sequence
Video input	4 inputs 1 Vp-p composite PAL, BNC, autom. 75Ω termination
Video output	4 loop-through outputs, 1 Vp-p at 75Ω, 1 main monitor output, 1 Vp-p at 75Ω, 1 main monitor output VGA 800 x 600, 15-pin Sub-D, 1 multiplex call monitor output,1 Vp-p at 75Ω, BNC
Video compression	H.264
Display resolution VGA output	800 x 600
Harddisk storage	up to 2 x internal 8,9 cm (3,5") SATA harddisks OR up to 1x removable 8,9 cm (3,5") SATA harddisk*
Recording resolution	704 x 576, 704 x 288, 352 x 288
Recording rate	1 ~ 100 IPS for all resolutions
	1 ~ 25 IPS individual setup per channel for normal and event recording (remaining rate to be distributed among remaining channels)
Recording modes	continuous, schedule or event recording
Playback search	via date/time or event, smart search incl. snapshot search function
Video pause	Yes
Video loss detection	Yes
Motion detection	yes, with configurable detection area (22 x 18) and sensitivity
Event log	Yes
Alarm	4 alarm inputs, 4 alarm outputs
Audio	4 line inputs, 1 line output*
Setup	On-screen display with graphic user interface (GUI)
Control	USB mouse control, front panel control, IR remote control, optional: network, RS-485 keyboard EKB 500
Timer	Built-in real time clock
Title	16-characters title generator for each camera
Archive	USB 2.0 interface, internal DVD-RW drive*
Ethernet	RJ45 network connector
Interfaces	1 x RS-232 (9-pin Sub-D), 1 x RS-485 screw terminal connector
Password protection	3 levels with individual user rights assignment
Watchdog function	For cooler fan, HDD status, HDD temperature, recording and HDD fault
Power source	12v DC, via external power supply 100 ~ 240v AC
Power consumption	40W max
Ambient temperature	0 ~ +40°C
Dimensions	355(W) x 71(H) x 353(D) mm
Weight	4kg (w/o HDD)

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- **ECOR 264x1-9:** 9-channel Pentaplex H.264 DVR

The new compact Everfocus ECOR264 DVR series offers H.264 compression for efficient disk storage and network bandwidth conversion.

Ideal for small to medium instalation applications the ECOR range include high specification features normally found on more expensive recorders including mobile viewing allowing you to check your home and business while on the go.

All ECOR DVRs are equipped with a simple graphical user interface for quick and easy configuration.

Delivery includes IR remote control... and mouse

Features:

- User-friendly graphic user interface (GUI) with easy mouse or front panel operation
- Multi-language menu operation
- Express setup for quick installation in standard applications
- Audio recording capability*
- Latest H.264 compression technology
- Real time recording and playback rate for all cameras
- Individual recording settings for each channel
- Pentaplex operation for simultaneous recording, playback, archiving, live view and network access
- Snapshot search function
- Data archiving via USB 2.0 port or built in DVD-RW drive*
- Programmable motion detection area (22 x 18) for each channel
- Local (through USB mouse) and network PTZ control
- Fast network video transmission with dual stream for mobile phone streaming (3GPP)
- Network operation independent from local operation
- Event notification incl. e-mail alarm and network alarm with optional PowerCon 4.x software
- Watchdog function with notification options
- Optional RS-485 remote control (EKB 500)
- Free EverFocus DDNS service: DDNS account registration directly from DVR setup

    * feature, function depending on DVR model

Specifications:

Model:	ECOR 264 x 1–4
Video format	PAL, CCIR
Display format main monitor	1, 4, 6, 8, 9 x multiscreen, PiP
Display format call monitor	1, 4, 9 x multiscreen, sequence
Video input	9 inputs 1 Vp-p composite PAL, BNC, autom. 75Ω termination
Video output	9 loop-through outputs, 1 Vp-p at 75Ω, 1 main monitor output, 1 Vp-p at 75Ω, 1 main monitor output VGA 800 x 600, 15-pin Sub-D, 1 multiplex call monitor output, 1 Vp-p at 75Ω, BNC
Video compression	H.264
Display resolution VGA output	800 x 600
Harddisk storage	up to 2 x internal 8,9 cm (3,5") SATA harddisks OR up to 1x removable 8,9 cm (3,5") SATA harddisk*
Recording resolution	704 x 576, 704 x 288, 352 x 288
Recording rate	1 ~ 225 IPS (352 x 288) 1 ~ 200 IPS (704 x 288) 1 ~ 100 IPS (704 x 576)
	1 ~ 25 IPS individual setup per channel for normal and event recording (remaining rate to be distributed among remaining channels)
Recording modes	continuous, schedule or event recording
Playback search	via date/time or event, smart search incl. snapshot search function
Video pause	Yes
Video loss detection	Yes
Motion detection	yes, with configurable detection area (22 x 18) and sensitivity
Event log	Yes
Alarm	9 alarm inputs, 4 alarm outputs
Audio	4 line inputs, 1 line output*
Setup	On-screen display with graphic user interface (GUI)
Control	USB mouse control, front panel control, IR remote control, optional: network, RS-485 keyboard EKB 500
Timer	Built-in real time clock
Title	16-characters title generator for each camera
Archive	USB 2.0 interface, internal DVD-RW drive*
Ethernet	RJ45 network connector
Interfaces	1 x RS-232 (9-pin Sub-D), 1 x RS-485 screw terminal connector
Password protection	3 levels with individual user rights assignment
Watchdog function	For cooler fan, HDD status, HDD temperature, recording and HDD fault
Power source	12v DC, via external power supply 100 ~ 240v AC
Power consumption	40W max
Ambient temperature	0 ~ +40°C
Dimensions	355(W) x 71(H) x 353(D) mm
Weight	4kg (w/o HDD)

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*E*verFocus

• ECOR 264x1-16: 16-channel Pentaplex H.264 DVR

The new compact Everfocus ECOR264 DVR series offers H.264 compression for efficient disk storage and network bandwidth conversion.

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Delivery includes IR remote control... and mouse

Features:

- User-friendly graphic user interface (GUI) with easy mouse or front panel operation
- Multi-language menu operation
- Express setup for quick installation in standard applications
- Audio recording capability*
- Latest H.264 compression technology
- Real time recording and playback rate for all cameras
- Individual recording settings for each channel
- Pentaplex operation for simultaneous recording, playback, archiving, live view and network access
- Snapshot search function
- Data archiving via USB 2.0 port or built in DVD-RW drive*
- Programmable motion detection area (22 x 18) for each channel
- Local (through USB mouse) and network PTZ control
- Fast network video transmission with dual stream for mobile phone streaming (3GPP)
- Network operation independent from local operation
- Event notification incl. e-mail alarm and network alarm with optional PowerCon 4.x software
- Watchdog function with notification options
- Optional RS-485 remote control (EKB 500)
- Free EverFocus DDNS service: DDNS account registration directly from DVR setup

    * feature, function depending on DVR model

Specifications:

Model:	ECOR 264 x 1–4
Video format	PAL, CCIR
Display format main monitor	1, 4, 6, 8, 9, 10, 13, 16 x multiscreen, PiP
Display format call monitor	1, 4, 9, 16 x multiscreen, sequence
Video input	16 inputs 1 Vp-p composite PAL BNC, autom. 75Ω termination
Video output	16 loop-through outputs, 1 Vp-p at 75Ω, 1 main monitor output, 1 Vp-p at 75Ω, 1 main monitor output VGA 800 x 600, 15-pin Sub-D, 1 multiplex call monitor output, 1 Vp-p at 75Ω, BNC
Video compression	H.264
Display resolution VGA output	800 x 600
Harddisk storage	up to 2 x internal 8,9 cm (3,5") SATA harddisks OR up to 1x removable 8,9 cm (3,5") SATA harddisk*
Recording resolution	704 x 576, 704 x 288, 352 x 288
Recording rate	1 ~ 400 IPS (352 x 288) 1 ~ 200 IPS (704 x 288) 1 ~ 100 IPS (704 x 576)
	1 ~ 25 IPS individual setup per channel for normal and event recording (remaining rate to be distributed among remaining channels)
Recording modes	continuous, schedule or event recording
Playback search	via date/time or event, smart search incl. snapshot search function
Video pause	Yes
Video loss detection	Yes
Motion detection	yes, with configurable detection area (22 x 18) and sensitivity
Event log	Yes
Alarm	16 alarm inputs, 4 alarm outputs
Audio	4 inputs, 1 line output
Setup	On-screen display with graphic user interface (GUI)
Control	USB mouse control, front panel control, IR remote control, optional: network, RS-485 keyboard EKB 500
Timer	Built-in real time clock
Title	16-characters title generator for each camera
Archive	USB 2.0 interface, internal DVD-RW drive*
Ethernet	RJ45 network connector
Interfaces	1 x RS-232 (9-pin Sub-D), 1 x RS-485 screw terminal connector
Password protection	3 levels with individual user rights assignment
Watchdog function	For cooler fan, HDD status, HDD temperature, recording and HDD fault
Power source	12v DC, via external power supply 100 ~ 240v AC
Power consumption	40W max
Ambient temperature	0 ~ +40°C
Dimensions	355(W) x 71(H) x 353(D) mm
Weight	4kg (w/o HDD)

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EverFocus

- **Paragon 264x4-16:** 16-channel D1 Real-Time H.264 Digital Video Recorder

The latest EverFocus Paragon H.264 full size digital video recorder is based on H.264 compression technology resulting in enhanced recording capacity and improved network image transmission speed. The main monitor output offers a true 1080i HDMI digital output to deliver stunning images from any resolution which enhances motion reproduction.

Comprehensive features and extended record settings allow universal application of this DVR series. Easy express configuration using a graphical user interface for setup, archive, search and playback. Available as a 16 channel unit with DVD burner and optimal internal or hot swap HDDs.

Includes IR Remote Control.

Features:

- D1 real-time recording and playback for all cameras
- HDMI video output with full HD resolution (1080p)
- Latest H.264 compression technology
- User-friendly graphic user interface (GUI) with easy mouse or front panel operation
- Multi-language menu operation
- Express setup for quick installation in standard applications
- Audio recording for all 16 channels
- Separately configured HDMI 1080p and VGA/BNC main monitor outputs and additional call monitor
- Individual recording settings for each channel incl. holiday calendar, express schedule and pre-alarm
- Pentaplex operation for simultaneous recording, playback, archiving, live view and network access
- Snapshot search function
- Data archiving via USB 2.0 port, network or built in DVD-RW drive*
- Programmable motion detection area (22 x 16) for each channel
- Local (through USB mouse) and network PTZ control
- Fast network video transmission with dual stream for mobile phone streaming (3GPP)
- Network operation independent from local operation
- Event notification incl. e-mail alarm and network alarm with optional PowerCon 4.x software
- Watchdog function with notification options
- Optional RS-485 remote control (EKB 500)
- Free EverFocus DDNS service: DDNS account registration directly from DVR setup

Specifications:

Model:	Paragon 264 x 4–16
Video format	PAL, CCIR
Display format main monitor	VGA / BNC: 1, 4, 9, 10, 13, 16 x multiscreen, PiP // HDMI: 1, 4, 6, 8, 9, 12, 16 x multiscreen
Display format call monitor	full screen, 4 x multiscreen, sequence (live)
Display format HD monitor	1920 x 1080 (full HD 1080p)
Display format VGA monitor	1024 x 768
Main/call monitor assignment monitor HDMI	Option 1: main monitor VGA and BNC (simultaneous view) and call Option 2: main monitor HDMI and call monitor VGA and BNC (simultaneous view)
Video input	16 inputs 1 Vp-p composite PAL, BNC, autom. 75Ω termination
Video output	16 loop-through outputs, 1 Vp-p at 75Ω, BNC 1 main monitor output, 1 Vp-p at 75Ω, BNC 1 main monitor output VGA 1024x768, 15-pin Sub-D 1 call monitor output, 1 Vp-p at 75Ω, BNC 1 HDMI output 1920 x 1080 (1080p)
Video compression	H.264
Harddisk storage	Up to 4 x internal 8.9cm (3.5") SATA harddisks OR up to 2 x removable 8.9cm (3.5") SATA harddisks*
Recording resolution	704 x 576, 704 x 288, 352 x 288
Recording rate	1 ~ 400 IPS for all resolutions individual setup per channel for normal and event recording (remaining rate to be distributed among remaining channels)
Recording modes	Continuous, schedule (with holiday calendar) or event recording
Playback search	Via date/time or event, smart search incl. snapshot search function
Video pause	Yes
Video loss detection	Yes
Motion detection	Yes, with configurable detection area (22x16) and sensitivity
Event log	Yes
Pre-alarm	Yes
Alarm	16 alarm inputs, 4 relay outputs
Audio	16 line inputs, 1 line output
Setup	On-screen display
Control	USB mouse control, front panel control with jog/shuttle, IR remote control, network; optional: RS-485 keyboard EKB 500
Timer	Built-in real time clock with automatic time synchronisation via global NTP server through Internet
Title	12-characters title generator for each camera
Archive	USB 2.0 interface, internal DVD-RW drive*
Ethernet	RJ45 network connector
Interfaces	1 x RS-232 (9-pin Sub-D), 1 x RS-485 screw terminal connector
Password protection	3 levels
Watchdog function	for cooler fan, HDD status, HDD temperature, recording and HDD fault
Power source	100 ~ 240v AC
Power consumption	60W max
Ambient temperature	0 ~ +40°C
Dimensions	430(W) x 95(H) x 410(D) mm
Weight	6.8kg (w/o HDD)

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